



## **State Revolving Fund Loan Programs**

### **Drinking Water, Wastewater, Nonpoint Source**

#### **PRELIMINARY DECISION OF CATEGORICAL EXCLUSION**

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

**CITY OF ANDERSON**  
**WATER POLLUTION CONTROL PLANT FACILITY IMPROVEMENTS DIVISION 2**  
**PRELIMINARY ENGINEERING REPORT**  
**SRF PROJECT # WW 11 09 48 03**

**Date: September 29, 2011**

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the City of Anderson Preliminary Engineering Report will have no substantial negative environmental impact. Therefore, the SRF is issuing a preliminary decision of Categorical Exclusion from the requirements of substantive environmental review.

*How were environmental issues considered?*

The National Environmental Policy Act requires agencies disbursing Federal funds to include environmental factors in the decision making process. A summary of the project is attached for your review. The SRF's preliminary review has found that the proposed project does not require the preparation of either an Environmental Assessment or an Environmental Impact Statement.

*Why is additional environmental review not required?*

Our environmental review has concluded that significant environmental impacts will not result from the proposed action.

*How do I submit comments?*

Comments can be submitted to:

Max Henschen, Senior Environmental Manager  
SRF Programs  
317-232-8623; mhensche at ifa.in.gov

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## **CATEGORICAL EXCLUSION**

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### **I. PROJECT IDENTIFICATION**

Project Name and Address:	<b>Water Pollution Control Plant Facility Improvements – Division 2</b> City of Anderson 120 East 8 <sup>th</sup> Street Anderson, IN 46018
SRF Project Number:	WW 11 09 48 03
Authorized Representative:	Mr. C. Gregory Graham, Chairman Board of Public Works

### **II. PROJECT LOCATION**

Anderson is in Madison County and is served by two wastewater treatment plants, the New Plant and the Old Plant; together they comprise the Water Pollution Control Plant (WPCP). The New Plant consists of headworks and primary treatment at the Dewey Street site and secondary treatment at the Gene Gustin Way site. The Old Plant consists of headworks, primary treatment and secondary treatment at the Gene Gustin Way site. Each plant has its own service area. The proposed Water Pollution Control Plant Facility Improvements Division 2 will occur at the two adjacent facilities: the Dewey Street Primary Plant and the Gene Gustin Way Plant. The Dewey Plant site is located in the Anderson South USGS quadrangle, SW ¼ Section 11, Township 19 North, Range 7 East. The Gene Gustin Way site is located in the Anderson South quadrangle, SE ¼, Section 10, T19N, R7E; see (Figure 1).

### **III. PROJECT NEED AND PURPOSE**

In September 2002 Anderson entered into a Federal Consent Decree with the United States Department of Justice, US Environmental Protection Agency and Indiana Department of Environmental Management. The requirements of the Consent Decree addressed problems at the WPCP and in the collection system, including development of the Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP).

The CSO LTCP and Consent Decree requirements addressed by this Division 2 project are: (1) a new preliminary treatment facility at the Gene Gustin Way site; (2) two new final clarifiers at Gene Gustin Way site, with associated return activated sludge/ waste activated sludge (RAS/WAS) pump systems; (3) Old Plant Influent Lift Station improvements at the Gene Gustin Way site; (4) new wet weather pump station at the Dewey Street site; and (5) a new vehicle storage and maintenance facility at the Dewey Street site. The Division 2 improvements are an important step in increasing the WPCP treatment capacity to reduce CSO discharge frequencies and volumes.

The city rejected the “No Action” alternative for each requirement, since the city would be in non-compliance with its Consent Decree and LTCP.

New Preliminary Treatment Facility at Gene Gustin Way site: Besides the “No Action” alternative, the city evaluated: (1) Two separate preliminary treatment facilities, one at Gene Gustin Way and one at Dewey Street; and (2) one new preliminary treatment facility at Gene Gustin Way. **Construction of one facility is cost-effective and allows the city to combine flows from the old and new plants, maximizing flow to the under loaded old plant. Therefore, this is the selected alternative.** Process alternatives were also evaluated for screening and grit removal. The front raked front returned bar screen was chosen for its hydraulic capacity, low head loss, rugged construction and low maintenance. The multiple-tray settleable solids concentrator was chosen for grit removal due to its small footprint and no moving mechanical parts.

New Final Clarifiers at Gene Gustin Way site: Besides the “No Action” alternative, the city evaluated two other alternatives: (1) Two new 110-foot diameter final clarifiers, and (2) three new 90-foot diameter clarifiers. Each alternative included a new flow splitting structure, yard piping and a new RAS/WAS pumping system. **Although there is enough land area available for three clarifiers, the third would be located in an area needed for biotower and filter maintenance. In addition, the two-clarifier alternative is cost-effective. Therefore, this is the selected alternative.**

Old Influent Lift Station Improvements at Gene Gustin Way site: Besides the “No Action” alternative, the city evaluated two other alternatives: (1) Using the existing old lift station facility by adding a third large pump and inline grinders on all three of the suction lines of the three large pumps, and (2) building a new submersible lift station with channel grinders upstream of the wet well. **The recommended alternative is adding a third large pump and inline grinders to the existing lift station, which is cost-effective and maximizes use of the existing facility.**

Wet Weather Pump Station at Dewey Street site: The city needs to install a new pump station to meet the Consent Decree requirement that the city be able to give primary treatment to at least 40 million gallons per day; the existing wet weather pump station has reached the end of its useful life. The wet well for the new wet weather pump station was installed during Division 1 project construction.

New Vehicle Storage and Maintenance Facility at Dewey Street site: The “No Action” alternative would not address the lack of space for all maintenance vehicles and would not provide an adequate lifting system. The existing maintenance shop is located far from the parts storage area; a new building will help provide more efficient maintenance.

#### IV. ESTIMATED PROJECT COSTS AND FUNDING

##### A. Selected Plan Estimated Cost Summary

###### **Construction and Equipment Costs**

Preliminary Treatment Facility	\$8,600,000
New Clarifiers and Associated Work	\$4,300,000
Old Influent Lift Station Improvements	\$630,000
Wet Weather Influent Lift Station	\$1,700,000
Vehicle Storage and Maintenance Facility	\$750,000

***Construction and Equipment Subtotal*** ***\$15,980,000***

	<i>Contingencies</i>	<u>\$1,598,000</u>
<b>Total Estimated Construction Cost</b>		<b>\$17,578,000</b>

**Non-construction Costs**

Administrative and Legal	\$388,083
Engineering Planning and Design	\$1,494,555
Engineering Construction Inspection	<u>\$1,421,102</u>
<b><i>Non-Construction Subtotal</i></b>	<b>\$3,303,740</b>

<b>Total Estimated Project Cost (rounded)</b>	<b>\$20,882,000</b>
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B. Anderson will fund the project with a State Revolving Fund (SRF) loan for a 20-year term at a fixed interest rate to be determined at loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

## V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

The proposed plant improvements will be constructed within the previously disturbed plant site footprint or in existing structures.

The construction and operation of the proposed project will not affect wetlands, endangered species, wooded areas, National Natural Landmarks, surface waters groundwater or prime farmland.

The improvements at the Gene Gustin Way site and the vehicle storage/maintenance building at the Dewey Street site are outside of the 100-year floodplain; the other project elements are in the 100-year flood plain (see Figure 2).

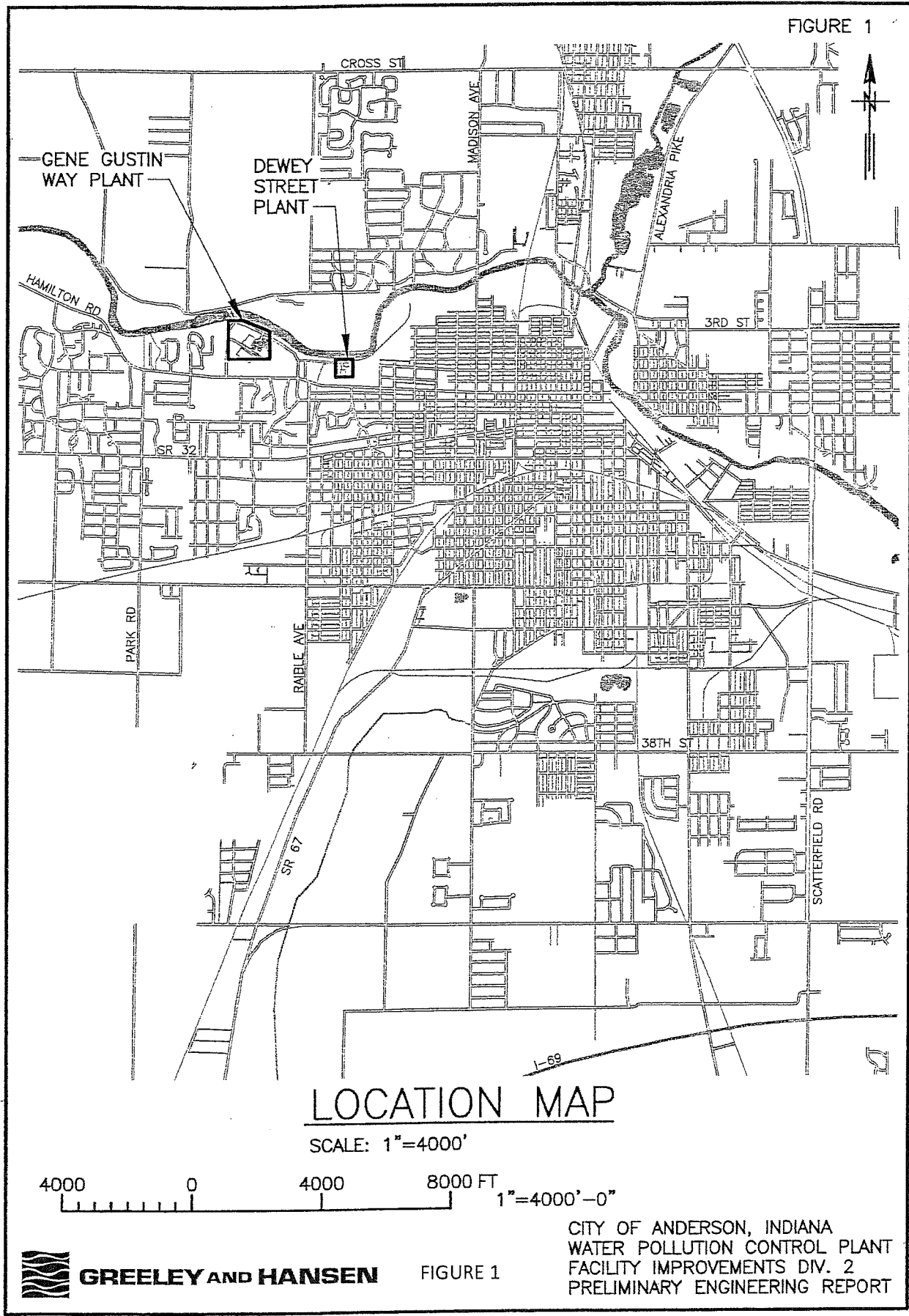
In order to reduce runoff and erosion, land grading and excavation will be kept to a minimum, appropriate structural and agronomic practices will be used during and after construction. The plan will be consistent with state and local ordinances and federal non-point source pollution control guidance. Construction entrances, roadways and staging areas will be stabilized prior to construction with crushed stone to reduce sediment transport.

Construction and operation of the project will not alter, demolish or remove historic properties. If any visual or audible impacts to historic properties occur, they will be temporary and will not alter the characteristics that qualify such properties for inclusion in or eligibility for the National Register of Historic Places. The SRF's finding pursuant to Section 106 of the Historic Preservation Act is: "no historic properties affected." See figures 3-5.

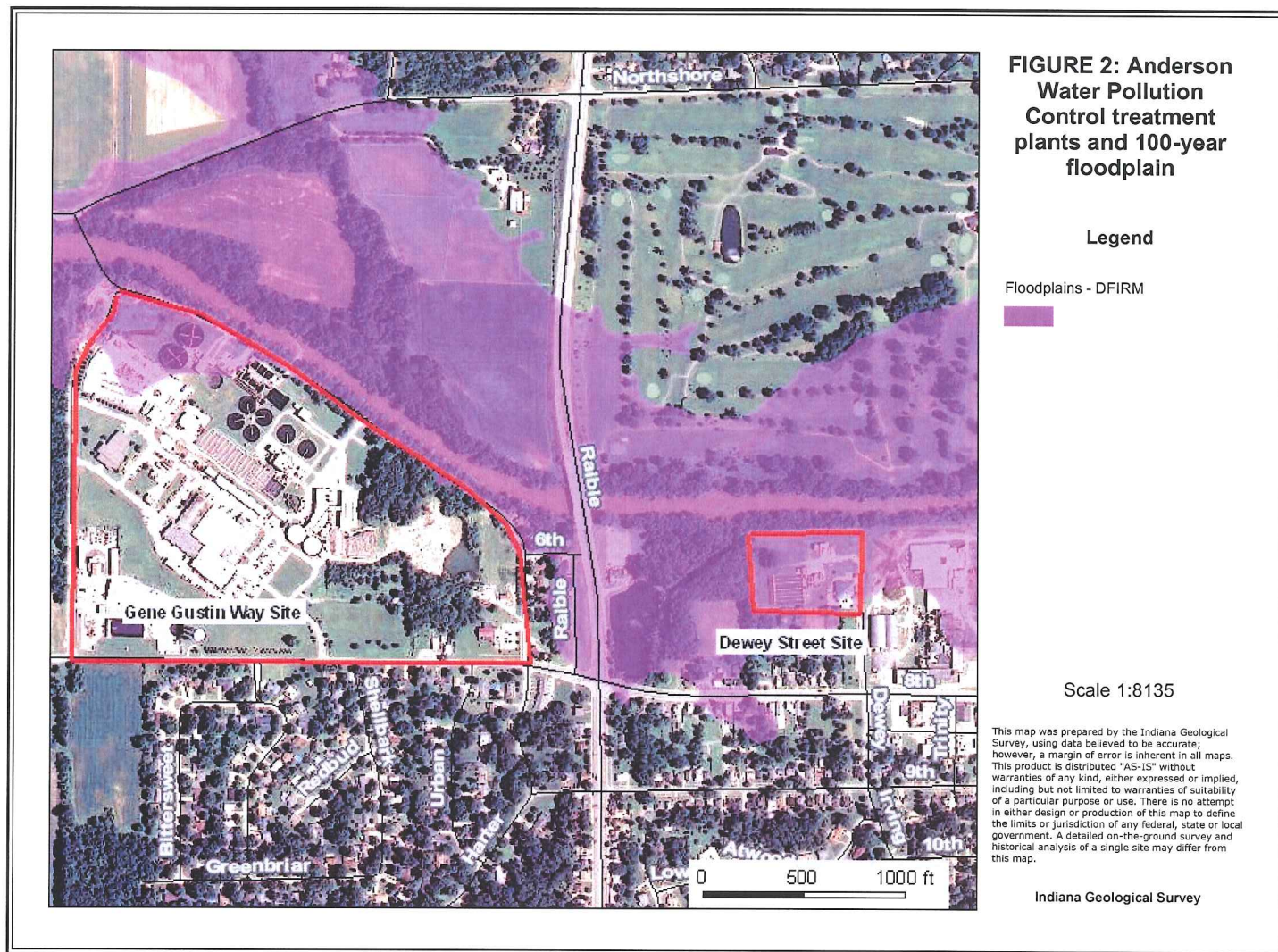
## VI. PUBLIC PARTICIPATION

A properly noticed public hearing was held on January 18, 2011 at 3:30 pm in Room 501 at City Hall, 120 E 8<sup>th</sup> Street. No written comments were received in the 5-day period following the hearing.

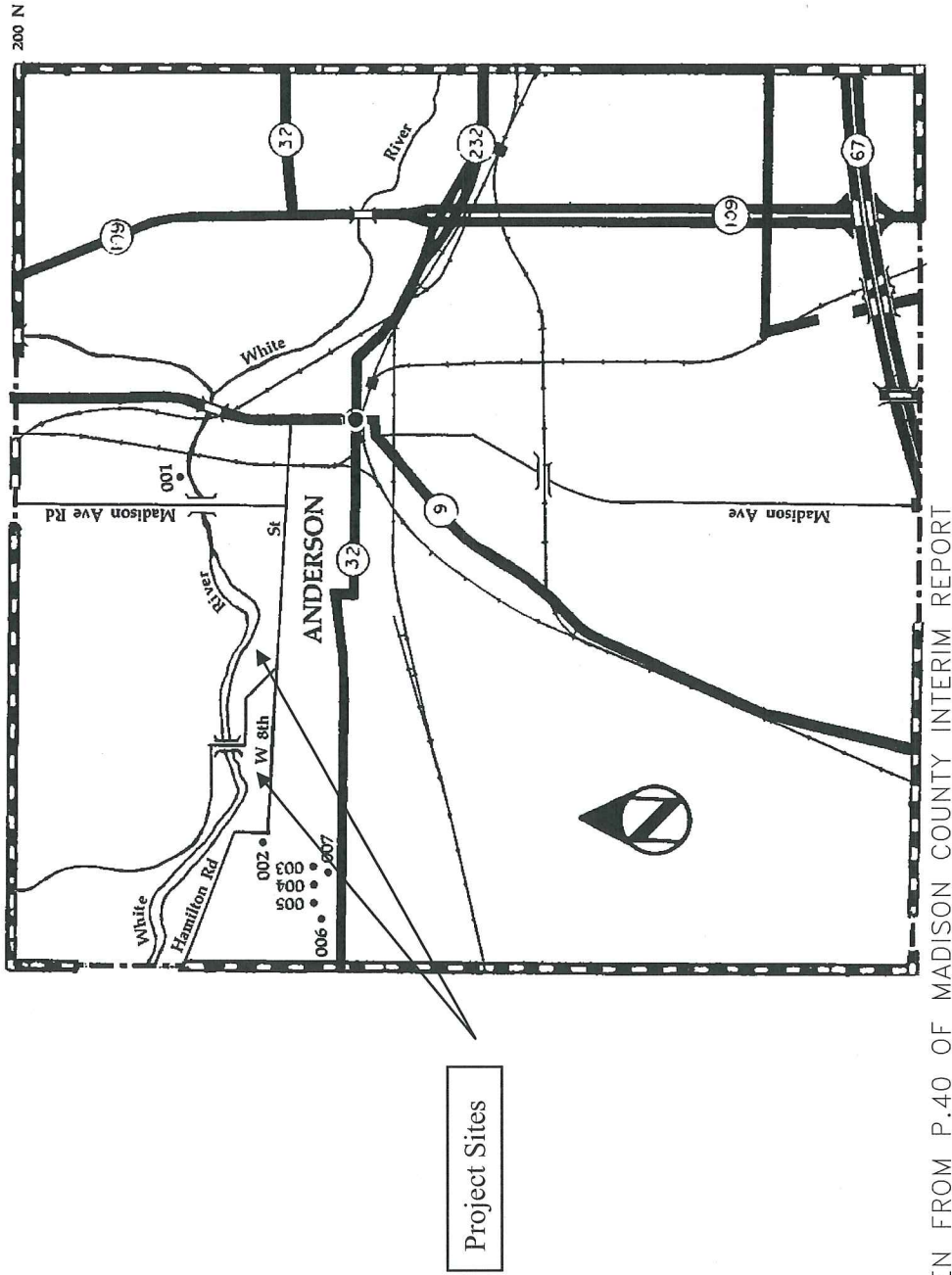
FILE: G:\PROJECTS\01 ACTIVE CLIENTS -- MIDWEST REGION\01798F -- ANDERSON DIV I\21.10 PRELIMINARY DESIGN\01798F FIG 1-1 1:1 12/20/10 15:20 GM







# Anderson Township (45001-007)



Project Sites

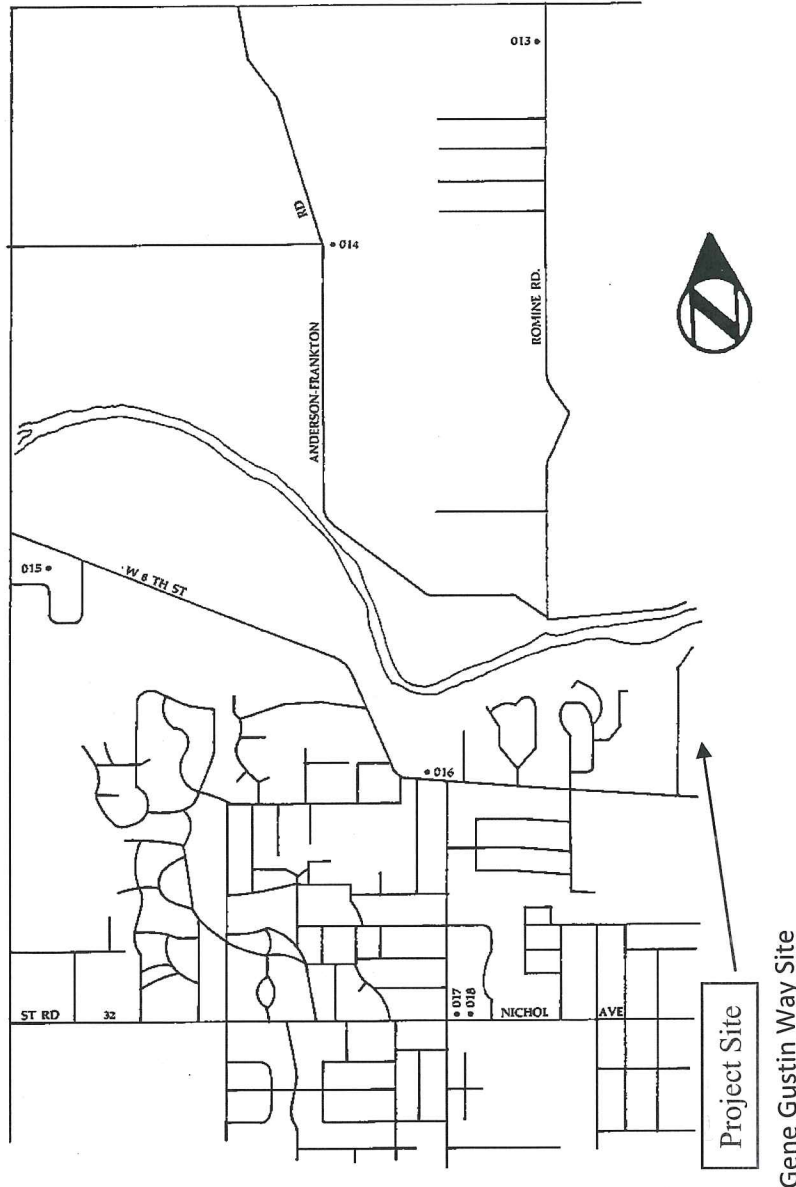
TAKEN FROM P.40 OF MADISON COUNTY INTERIM REPORT  
NO SCALE



FIGURE 3: from Madison County Interim Report  
Indiana Historic Sites and Structures Inventory

CITY OF ANDERSON, INDIANA  
WATER POLLUTION CONTROL PLANT  
FACILITY IMPROVEMENTS DIVISION 2  
PRELIMINARY ENGINEERING REPORT

# Anderson Scattered Sites (49001-111)



TAKEN FROM P.61 OF MADISON COUNTY INTERIM REPORT  
NO SCALE

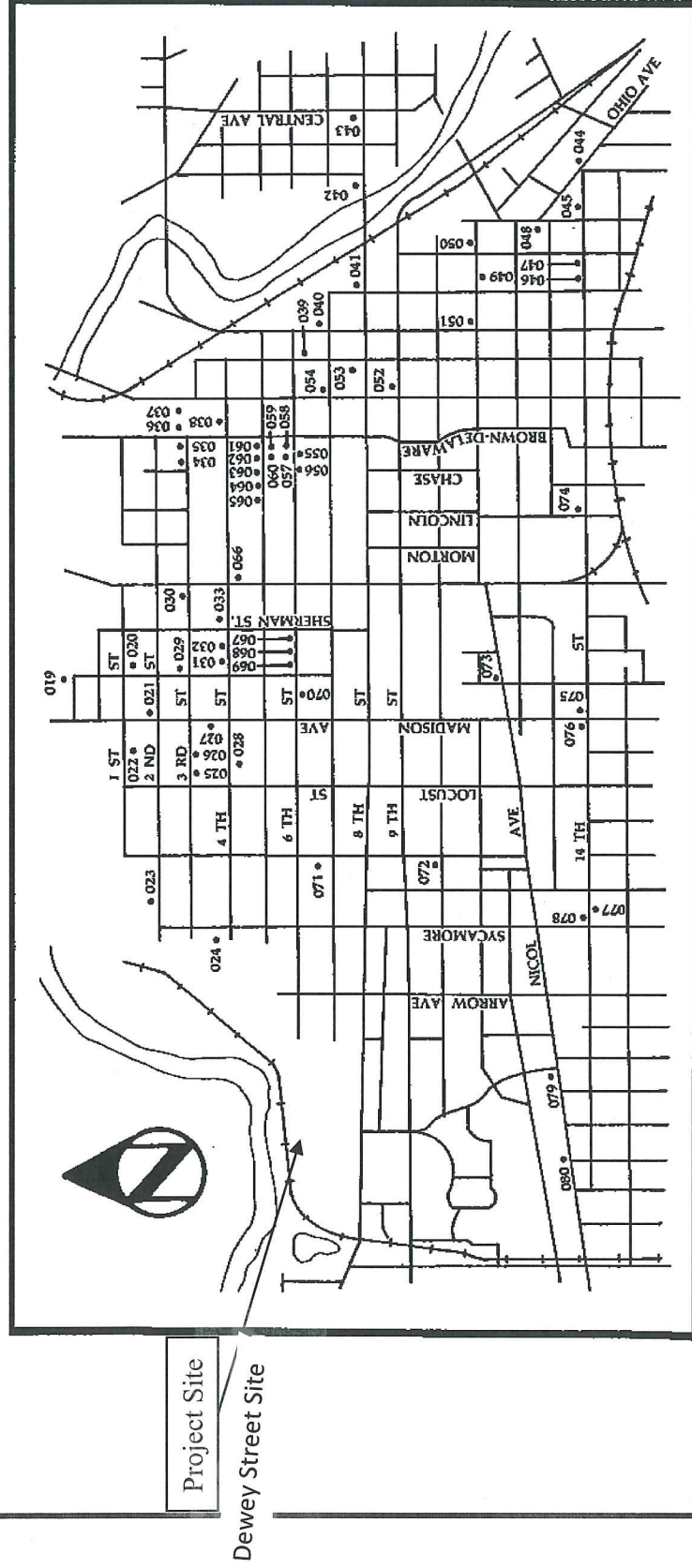
FIGURE 4: from Madison County Interim Report  
Indiana Historic Sites and Structures Inventory

CITY OF ANDERSON, INDIANA  
WATER POLLUTION CONTROL PLANT  
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PRELIMINARY ENGINEERING REPORT



# Anderson Scattered Sites (49001-111)

FIGURE 5-1  
(Sheet 3 of 3)



TAKEN FROM P.62 OF MADISON COUNTY INTERIM REPORT  
NO SCALE



FIGURE 5: from Madison County Interim Report  
Indiana Historic Sites and Structures Inventory

CITY OF ANDERSON, INDIANA  
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